## Index of Claims

Application/Control No.

Clement B. Graham

Applicant(s)/Patent under Reexamination

09/863,148 Examiner WOODLEY, JOHN A.C.

√ Rejected
= Allowed

- (Through numeral)
- Cancelled

Non-Elected
I Interference

A Appeal
O Objected

3691

| CI       | aim      | Date          |   |   |   |               |          |          |          |          |   | Claim    |          |          | Date     |          |          |          |               |              |        |   | CI            | Date     |          |               |          |        |              |          |   |          |
|----------|----------|---------------|---|---|---|---------------|----------|----------|----------|----------|---|----------|----------|----------|----------|----------|----------|----------|---------------|--------------|--------|---|---------------|----------|----------|---------------|----------|--------|--------------|----------|---|----------|
| Final    | Original | 6/1/10        |   |   |   |               |          |          |          |          |   | Final    | Original |          |          |          |          |          |               |              |        |   | Final         | Original |          |               |          |        |              |          |   |          |
| 1        | 1        | =             |   |   |   |               |          | t        | П        |          | ĺ | 33       | 51       | =        | П        |          | 7        | $\neg$   | $\top$        | $^{\dagger}$ |        | i |               | 101      | $\neg$   | $\neg$        | _        | $^{-}$ | T            | $\vdash$ | П |          |
|          | 2        |               |   |   |   |               |          | t        |          |          | ĺ | 34       | 52       | =        | П        |          | 1        |          | $\top$        | $^{\dagger}$ |        | i |               | 102      |          | $\neg$        | _        |        | 1            |          |   |          |
|          | 3        |               |   |   |   |               |          |          |          |          | ĺ | 35       | 53       | =        | П        |          | _        | $\neg$   | $\top$        | $^{+}$       |        | i |               | 103      |          | $\neg$        | _        | $^{-}$ | $^{\dagger}$ |          | П |          |
|          | 4        | $\overline{}$ | П |   | П | $\overline{}$ | $\vdash$ | $\vdash$ | т        |          | ĺ | 36       | 54       | Ξ        | П        |          | $\neg$   | $\neg$   | $\neg$        | $\top$       |        | ĺ |               | 104      | $\neg$   | $\neg$        | $\neg$   | $\neg$ | $\top$       | $\vdash$ | П |          |
| 2        | 5        | =             | П |   | П | $\overline{}$ | $\vdash$ | $^{-}$   | т        |          | ĺ | 37       | 55       | Ξ        | П        |          | _        | $\neg$   | $\neg$        | $\top$       | -      | 1 |               | 105      | $\neg$   | $\neg$        | _        | $^{-}$ | $\top$       | -        | П |          |
| _        | 6        | -             |   |   |   |               | $\vdash$ | $\vdash$ | Н        |          | ĺ |          | 56       |          | П        |          | _        | $\neg$   | $\neg$        | _            | $\top$ | 1 |               | 106      | $\neg$   | $\neg$        | _        | $^{-}$ |              | -        |   |          |
|          | 7        | -             | П |   | П | -             | $\vdash$ | $^{-}$   | $\vdash$ |          | ĺ |          | 57       | П        | П        |          | _        | _        | $\neg$        | $^{-}$       | -      | 1 |               | 107      | $\neg$   | $\neg$        | _        | $^{-}$ | $^{-}$       | $\vdash$ | П |          |
|          | 8        | $\overline{}$ | П |   | П | $\overline{}$ | -        | $^{-}$   | т        |          | ĺ |          | 58       | П        | П        |          | _        | $\neg$   | $\neg$        | $^{-}$       | -      | ĺ |               | 108      | $\neg$   | $\neg$        | _        | $^{-}$ | $\top$       | -        | П |          |
|          | 9        | $\overline{}$ | П |   | П |               | -        | T        | т        |          | i |          | 59       | т        | П        | _        | $\neg$   | _        | $\neg$        | $^{-}$       | -      | ĺ |               | 109      | $\neg$   | $\neg$        | _        | $^{-}$ | $^{-}$       | $\vdash$ | П |          |
|          | 10       |               | П |   | П |               |          | t        | Н        |          | i |          | 60       | П        | П        |          | $\dashv$ | _        | $\neg$        | _            | -      | i |               | 110      |          | $\neg$        | _        | $^{-}$ | 1            |          |   |          |
|          | 11       |               |   |   | П |               |          | t        | Н        |          | i |          | 61       | П        | Н        |          | _        | _        | _             | $^{+}$       |        | i |               | 111      |          |               | _        |        | 1            |          |   |          |
|          | 12       |               |   |   | П |               | Н        | t        | Н        |          | i |          | 62       | П        | П        |          | _        | _        | $\neg$        | _            |        | i |               | 112      |          | $\neg$        | _        |        | 1            | $\vdash$ | П |          |
|          | 13       | Т             | П |   | П | Т             |          | t        | т        | Т        | 1 |          | 63       | П        | Н        | 7        | $\dashv$ | 7        | $^{+}$        | $^{+}$       |        | 1 | $\overline{}$ | 113      | $\dashv$ | $^{+}$        | 7        |        | $^{\dagger}$ |          | П |          |
|          | 14       |               | П |   | П | Т             |          | T        | т        | Т        | ĺ |          | 64       | П        | Н        | 7        | $\dashv$ | 7        | 1             | +            |        | i | $\overline{}$ | 114      | $\neg$   | _             | 7        | -      | t            |          | П | $\neg$   |
| 3        | 15       | =             |   |   |   |               |          | $^{-}$   |          |          | i |          | 65       | Н        | Н        |          | _        | _        | $^{+}$        | +            | -      | i |               | 115      | $\neg$   | $\neg$        | _        | _      | +            |          | Н |          |
| 4        | 16       | =             |   |   | Н |               | -        | $^{+}$   |          |          | i |          | 66       |          | $\vdash$ | $\neg$   | $\neg$   | _        |               | $^{+}$       |        | i |               | 116      | $\neg$   |               | _        |        | +            | -        | П |          |
| 5        | 17       | =             |   |   |   |               | -        | t        | Н        |          | ĺ |          | 67       |          | Н        |          | 7        | $\neg$   | $\neg$        | $^{+}$       | +      | i | -             | 117      | $\neg$   |               | _        | $^{-}$ | +            | -        | П |          |
| 6        | 18       | =             |   |   | П |               | $\vdash$ | t        | Н        |          | i |          | 68       |          | П        |          | 7        | _        | $\neg$        | _            |        | i |               | 118      | $\neg$   | $\neg$        | _        |        |              | -        | П |          |
| 7        | 19       | =             |   |   | Н |               | -        | t        | Н        |          | i |          | 69       | Н        | $\vdash$ |          | _        | _        | _             | +            | +      | ł | $\vdash$      | 119      |          | _             | _        | +      | +            | -        | П |          |
| 8        | 20       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        |          | i |          | 70       | Н        | $\vdash$ |          | $^{+}$   | _        | $^{+}$        | +            | +      | ł | $\vdash$      | 120      | $\dashv$ | _             | _        | +      | +            | $\vdash$ | Н |          |
| 9        | 21       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        | -        | ł | _        | 71       | Н        | $\vdash$ | _        | $^{+}$   | _        | $\rightarrow$ | +            | +      | ł | -             | 121      | $\dashv$ | $\rightarrow$ | _        | +      | +            | $\vdash$ | Н |          |
| 10       | 22       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        | -        | ł | _        | 72       | Н        | $\vdash$ | _        | _        | _        | $\rightarrow$ | +            | +      | ł | -             | 122      | $\dashv$ | $\rightarrow$ | _        | +      | +            | $\vdash$ | Н |          |
| 11       | 23       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        |          | ł |          | 73       | Н        | $\vdash$ | _        | $\dashv$ | $\dashv$ | $\rightarrow$ | +            | +      | ł | $\vdash$      | 123      | $\dashv$ | $\rightarrow$ | +        | +      | +            | $\vdash$ | Н |          |
| 12       | 24       | =             |   |   | Н | $\vdash$      | $\vdash$ | +        | Н        |          | ł |          | 74       | Н        | $\vdash$ | -        | +        | -        | $\rightarrow$ | +            | +      | ł | -             | 124      | $\dashv$ | $\rightarrow$ | _        | +      | +            | $\vdash$ | Н |          |
| 12.      | 25       | -             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        | -        | ł | _        | 75       | Н        | $\vdash$ | _        | _        | _        | $\rightarrow$ | +            | +      | ł | -             | 125      | $\dashv$ | $\rightarrow$ | _        | +      | +            | $\vdash$ | Н |          |
| _        | 26       | $\vdash$      | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        |          | ł |          | 76       | Н        | $\vdash$ | _        | $\dashv$ | $\dashv$ | $\rightarrow$ | +            | +      | ł | $\vdash$      | 126      | $\dashv$ | $\rightarrow$ | +        | +      | +            | $\vdash$ | Н |          |
|          | 27       | $\vdash$      | Н |   | Н |               | -        | +        | Н        |          | ł |          | 77       | Н        | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\rightarrow$ | +            | _      | ł | $\vdash$      | 127      | $\dashv$ | $\rightarrow$ | $\dashv$ | _      | +            | $\vdash$ | Н |          |
|          | 28       |               | Н |   | Н |               | Н        | +        | Н        |          | ł |          | 78       | Н        | $\vdash$ |          | +        | -        | -             | +            | -      | ł | _             | 128      | $\dashv$ | -             | -        | -      | +            | Н        | Н |          |
|          | 29       |               | Н |   | Н |               | Н        | +        | Н        |          | ł |          | 79       | Н        | $\vdash$ | -        | +        | -        | -             | +            | -      | ł | _             | 129      | $\dashv$ | -             | -        | _      | +            | Н        | Н |          |
| 13       | 30       | =             | Н | _ | Н |               | Н        | +        | Н        |          | ł |          | 80       | Н        | $\vdash$ | -        | $\dashv$ | $\dashv$ | +             | +            | +      | ł | _             | 130      | $\dashv$ | $\rightarrow$ | -        | _      | +            | $\vdash$ | Н |          |
| 14       | 31       | =             | Н | _ | Н |               | Н        | +        | Н        |          | ł | _        | 81       | Н        | $\vdash$ |          | +        | -        | -             | +            | -      | ł | _             | 131      | $\dashv$ | -             | -        | -      | +            | Н        | Н |          |
| 15       | 32       | =             | Н |   | Н |               | Н        | +        | Н        |          | ł |          | 82       | Н        | $\vdash$ | -        | +        | -        | -             | +            | -      | ł | _             | 132      | $\dashv$ | _             | -        | _      | +            | Н        | Н |          |
| 16       | 33       | =             | Н |   | Н |               | Н        | +        | Н        |          | ł |          | 83       | Н        | $\vdash$ | -        | +        | $\dashv$ | -             | +            | +      | ł | -             | 133      | $\dashv$ | _             | +        | _      | +            | $\vdash$ | Н | _        |
| 17       | 34       | =             |   |   | Н | -             | -        | +        | Н        |          | i |          | 84       | Н        | $\vdash$ |          | $\dashv$ | _        | $\rightarrow$ | +            | +      | ł | $\vdash$      | 134      | $\neg$   | _             | _        | +      | +            | -        | Н |          |
| 18       | 35       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        | _        | i | _        | 85       | Н        | $\vdash$ | _        | $^{+}$   | -        | $^+$          | +            | +      | ł | -             | 135      | $\dashv$ | $\rightarrow$ | _        | +      | +            | $\vdash$ | Н |          |
| 19       | 36       | =             |   | _ | Н |               | $\vdash$ | +        | Н        |          | ł |          | 86       | Н        | $\vdash$ |          | +        | _        | $^{+}$        | _            | +      | 1 | -             | 136      | $\neg$   | _             | _        | +      | +            | $\vdash$ | Н |          |
| 20       | 37       | =             | Н | _ | Н | $\vdash$      | $\vdash$ | +        | Н        | -        | ł | _        | 87       | Н        | $\vdash$ | -        | +        | $\dashv$ | +             | +            | +      | 1 | _             | 137      | $\dashv$ | -             | +        | +      | +            | $\vdash$ | Н | _        |
| 21       | 38       | =             | Н | _ | Н | $\vdash$      | -        | +        | $\vdash$ | $\vdash$ | 1 | $\vdash$ | 88       | $\vdash$ | $\vdash$ | -        | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | -             | 138      | $\dashv$ | +             | +        | +      | +            | $\vdash$ | Н | -        |
| 22       | 39       | =             |   | _ | Н | $\vdash$      | -        | +        | $\vdash$ | $\vdash$ | 1 | $\vdash$ | 89       | $\vdash$ | $\vdash$ | -        | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 139      | $\dashv$ | $\rightarrow$ | $\dashv$ | +      | +            | $\vdash$ | Н | _        |
| 23       | 40       | =             | Н | _ | Н | $\vdash$      | -        | +        | $\vdash$ | $\vdash$ | 1 | $\vdash$ | 90       | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 140      | $\dashv$ | $\rightarrow$ | +        | +      | +            | $\vdash$ | Н | $\neg$   |
| 24       | 41       | =             |   | _ | Н | $\vdash$      | $\vdash$ | +        | $\vdash$ | $\vdash$ | 1 | _        | 91       |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 141      | $\dashv$ | $\rightarrow$ | +        | +      | +            | $\vdash$ | Н | $\neg$   |
|          | 42       | ŕ             | Н |   | Н | $\vdash$      | $\vdash$ | +        | Н        | $\vdash$ | 1 | -        | 92       | Н        | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 142      | $\dashv$ | +             | $\dashv$ | +      | +            | $\vdash$ | Н | _        |
| 25       | 43       | =             |   | _ | Н | $\vdash$      | -        | +        | $\vdash$ | $\vdash$ | 1 | $\vdash$ | 93       |          | $\vdash$ | $\dashv$ | +        | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 143      | $\dashv$ | +             | +        | +      | +            | $\vdash$ | Н | $\dashv$ |
| 26<br>26 | 44       | =             | Н |   | Н | $\vdash$      | -        | +        | Н        | $\vdash$ | 1 | $\vdash$ | 94       | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 144      | $\dashv$ | +             | $\dashv$ | +      | +            | -        | Н | $\dashv$ |
| 20<br>27 | 45       | =             | Н |   | Н | $\vdash$      | $\vdash$ | +        | Н        | $\vdash$ | 1 | $\vdash$ | 95       | Н        | Н        | $\dashv$ | +        | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 144      | $\dashv$ | +             | +        | +      | +            | $\vdash$ | Н | -        |
| 27<br>28 | 46       | =             | Н |   | Н | $\vdash$      | -        | +        | Н        | $\vdash$ | 1 | $\vdash$ | 96       | Н        | Н        | -        | +        | -        | +             | +            | +      | 1 | $\vdash$      | 145      | -        | +             | -        | +      | +            | -        | Н | _        |
| 28<br>29 | 46       | -             | Н |   | Н | $\vdash$      | $\vdash$ | +        | Н        | $\vdash$ | 1 | $\vdash$ | 96       | Н        | Н        | -        | +        | $\dashv$ | +             | +            | +      | 1 | ⊢             | 146      | $\dashv$ | +             | $\dashv$ | +      | +            | ⊢        | Н | _        |
| 29<br>30 |          | =             | Н |   | Н | $\vdash$      | $\vdash$ | +        | Н        | $\vdash$ | 1 | $\vdash$ | 98       | Н        | Н        | -        | +        | $\dashv$ | +             | +            | +      | 1 | <u> </u>      |          | $\dashv$ | +             | $\dashv$ | +      | +            | ⊢        | Н | _        |
|          | 48       | =             | Н |   | Н | $\vdash$      | $\vdash$ | +        | Н        | $\vdash$ | 1 | $\vdash$ |          | Н        | Н        | -        | +        | -        | +             | +            | +      | 1 | $\vdash$      | 148      | -        | +             | -        | +      | +            | ⊢        | Н | _        |
| 31       | 49       |               | Н |   | Н | $\vdash$      | $\vdash$ | +        | $\vdash$ | $\vdash$ | 1 | $\vdash$ | 99       | Н        | $\vdash$ | $\dashv$ | -        | $\dashv$ | +             | +            | +      | 1 | $\vdash$      | 149      | $\dashv$ | +             | +        | +      | +            | $\vdash$ | Н | -        |
| 32       | 50       | =             |   |   |   | 1             | 1        | 1        | 1        | 1        | 1 | 1        | 100      |          |          | - 1      | - 1      |          | - 1           |              |        | 1 | 1             | 150      | - 1      | - 1           |          |        | 1            | 1        |   |          |